

Program of 10th ISE Satellite Student Regional Symposium on Electrochemistry

9:00-9:15 Opening the symposium

9:00-9:45 Green hydrogen production

9:15-9:30 Ema Kovačević

Membrane characterization for the use in AEM electrolyzers

9:30-9:45 Monika Belec

Photoelectrochemical properties of BiVO₄ and rGO-BiVO₄ as visible light photoelectrodes

9:45-10:45 Energy storage and electronic devices

9:45-10:00 Matea Raić

Novel honeycomb silicon structure as potential anode material for Li-ion cells

10:00-10:15 Milica Koščević

Supercapacitor performance of activated carbons derived from sucrose

10:15-10:30 Katarina Božić

A novel approach for the study of the kinetics of sol-gel synthesis of titanium dioxide nanoparticles as catalyst support

10:30-10:45 Ivana Zrinski

Electrolyte incorporation in Hf and Ta anodic memristors

10:45-11:15 Pause

11:15-12:00 Electronic and ionic conduction

11:15-11:30 Marta Razum

Electronic conductivity in vanadium phosphate glasses

11:30-11:45 Sanja Renka

How to improve the ionic conductivity in sodium phosphate glasses?

11:45-12:00 Gabrijela Radić

The effect of ascorbic acid as a hole scavenger on electrochemical responses of photocatalysts

12:00-13:00 Corrosion

12:00-12:15 Angela Kapitanović

Electrochemical and spectroscopic study of artificially obtained sulphide patina

12:15-12:30 Tihomir Borko

Electrochemical test results of batch application of oil-soluble corrosion inhibitors within EOR projects in the oil industry

12:30-12:45 Antonio Pelesk

Carbon steel protection by volatile corrosion inhibitors

12:45-13:00 Sara Krivačić

Corrosion resistance of titanium-based biomedical implant materials

13:00-13:30 Pause

13:30-14:45 Electrochemistry in marine science

13:30-13:45 Niki Simonović

Voltammetry in the study of unusual phenomena in the sea. Part I: organic matter characterization during red tide and gelatinous zooplankton blooms in the northern Adriatic

13:45-14:00 Sarah Mateša

Voltammetry in the study of unusual phenomena in the sea. Part II: Sulfur species characterization in the seawater anoxic conditions and aggregates of red tide blooms in the northern Adriatic

14:00-14:15 Iva Dešpoja

Electrochemical determination of copper complexing capacity in the surface layer of the coastal central Adriatic sea

14:15-14:30 Andela Bačinić

Formation of Co(II)-Phen-PC mixed ligand complex at the model surface of mercury electrode and langmuir trough

14:30-14:45 Nives Novosel

Surface method approach in characterization of plasma membrane vesicles derived from algal cells

14:45-15:30 Other themes

14:45-15:00 Magdalena Eškinja

Applicability of the paste electrolyte cell for in situ electrochemical testing the surface protection of bronze

15:00-15:15 Dominik Goman

The electrochemical study of gallic acid in calcium oxalate system

15:15-15:30 Ines Šoljić

The influence of ac interference on electrochemical impedance spectroscopy measurements on high impedance coatings

15:30-15:45 Voting for best oral presentations and closing the symposium